

PATENT

I hereby certify that this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date

6-4-03

Cynthia Hagen

Cynthia Hagen

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No. : 6,432,673  
Issued : August 13, 2002  
Serial No. : 09/457,066  
Filed : December 7, 1999  
Inventors : Zeren Gao, Charles E. Hart, Christopher S. Piddington, Paul O. Sheppard,  
Kimberly E. Shoemaker, Debra G. Gilbertson, James West  
For : GROWTH FACTOR HOMOLOG ZVEGF3

Docket No. : 98-60  
Date : June 4, 2003

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Request for Certificate of Correction

Sir:

Please accept the enclosed Certificate of Correction. Applicants claim small entity status. The Commissioner is hereby authorized to charge any fee associated with this communication to ZymoGenetics, Inc. Deposit Account No. 26-0290. A duplicate of this sheet is enclosed.

Respectfully submitted,

Gary E. Parker

Gary E. Parker  
Registration No. 31,648

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

(Also Form PTO-1050)

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 6,432,673 **BI**  
DATED : June 4, 2003  
INVENTOR(S) : Zeren Gao, et al.

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

- At column 6, line 27, replace "hidrophilicity" with --hydrophilicity--.
- At column 17, line 1, replace "of" with--or--; at line 51, replace "roteins" with --proteins--.
- At column 19, line 65, replace "CDNA" with --cDNA--.
- At column 20, line 49, replace "50°" with --5°--; at line 64, replace "lignment" with --alignment--.
- At column 21, line 47, replace "an" with --can--.
- At column 30, line 23, replace "access" with --excess--.
- At column 32, line 26, replace "calorimetric" with --colorimetric--.
- At column 34, line 12, replace "non-veg3" with --non-zveg3--.
- At column 41, line 2, delete "5".
- At column 46, line 5, replace "abbit" with --rabbit--.
- At column 52, line 3, replace "Noti" with --Not1--.
- At column 53, line 66, replace "DC44" with --DG44--.
- At column 55, line 63, replace "sties" with --sites--.
- At column 56, line 24, replace "1t" with --1%--.
- At column 57, line 35, replace "gl" with --μl--; at line 46, replace "ll" with --μl--.
- At column 59, line 9, replace "n=li" with --n=11--.

Page 1 of 2

MAILING ADDRESS OF SENDER:

Gary E. Parker  
ZymoGenetics, Inc.  
1201 Eastlake Avenue East  
Seattle, WA 98102

PATENT NO. 6,432,673

No. of additional copies

⇒

1

Burden Hour Statement: This form is estimated to take 1.0 hour to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

(Also Form PTO-1050)

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 6,432,673  
DATED : June 4, 2003  
INVENTOR(S) : Zeren Gao, et al.

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

At column 61, line 23, replace "luterldehyde" with --glutaraldehyde--; at line 67, insert --10-- before "minutes".

At column 63, lines 17-18, replace "growth domain" with --growth factor domain--; at line 36, replace "36o" with --36%--; at line 38, replace "IGFB4" with --IGFBP4--.

At column 64, line 5, replace "10l" with --10%--.

At column 109, line 2, replace "polvpepfides" with --polypeptides--; at line 24, replace "segment" with --polynucleotide--.

At column 110, lines 4-5, replace "segment" with --polynucleotide--.

Page 2 of 2

MAILING ADDRESS OF SENDER:

Gary E. Parker  
ZymoGenetics, Inc.  
1201 Eastlake Avenue East  
Seattle, WA 98102

PATENT NO. 6,432,673

No. of additional copies



Burden Hour Statement: This form is estimated to take 1.0 hour to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,432,673 B1  
DATED : June 4, 2003  
INVENTOR(S) : Zeren Gao et al.

Page 1 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 6,

Line 27, replace "hidrophilicity" with -- hydrophilicity --.

Column 17,

Line 1, replace "of" with -- or --;

Line 51, replace "roteins" with -- proteins --.

Column 19,

Line 65, replace "CDNA" with -- cDNA --.

Column 20,

Line 49, replace "50°" with -- 5° --;

Line 64, replace "lignment" with -- alignment --.

Column 21,

Line 47, replace "an" with -- can' --.

Column 30,

Line 23, replace "access" with -- excess --.

Column 32,

Line 26, replace "calorimetric" with -- colorimetric --.

Column 34,

Line 12, replace "non-veg3" with -- non-zveg3 --.

Column 41,

Line 2, delete "5".

Column 46,

Line 5, replace "abbit" with -- rabbit --.

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,432,673 B1  
DATED : June 4, 2003  
INVENTOR(S) : Zeren Gao et al.

Page 2 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 52,

Line 3; replace "Noti" with -- Not1 --.

Column 53,

Line 66, replace "DC44" with -- DG44 --.

Column 55,

Line 63, replace "sties" with -- sites --.

Column 56,

Line 24, replace "1t" with -- 1% --.

Column 57,

Line 35, replace "gl" with --  $\mu$ l --;

Line 46, replace "II" with --  $\mu$ l --.

Column 59,

Line 9, replace "n=li" with -- n=11 --.

Column 61,

Line 23, replace "luterldehyde" with -- glutaraldehyde --;

Line 67, insert -- 10 -- before "minutes".

Column 63,

Lines 17-18, replace "growth domain" with -- growth factor domain --;

Line 36, replace "36o" with -- 36% --;

Line 38, replace "IGFB4" with -- IGFBP4 --.

Column 64,

Line 5, replace "10I" with -- 10% --.

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,432,673 B1  
DATED : June 4, 2003  
INVENTOR(S) : Zeren Gao et al.

Page 3 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 109,

Line 2, replace "polvpepfides" with -- polypeptides --;

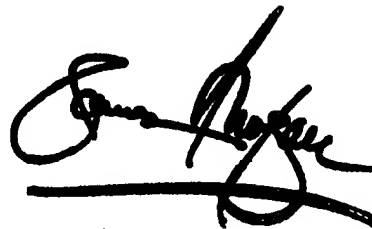
Line 24, replace "segment" with -- polynucleotide --.

Column 110,

Lines 4-5, replace "segment" with -- polynucleotide --.

Signed and Sealed this

Fifteenth Day of July, 2003

A handwritten signature in black ink, appearing to read "James E. Rogan", with a horizontal line drawn underneath it.

JAMES E. ROGAN  
*Director of the United States Patent and Trademark Office*